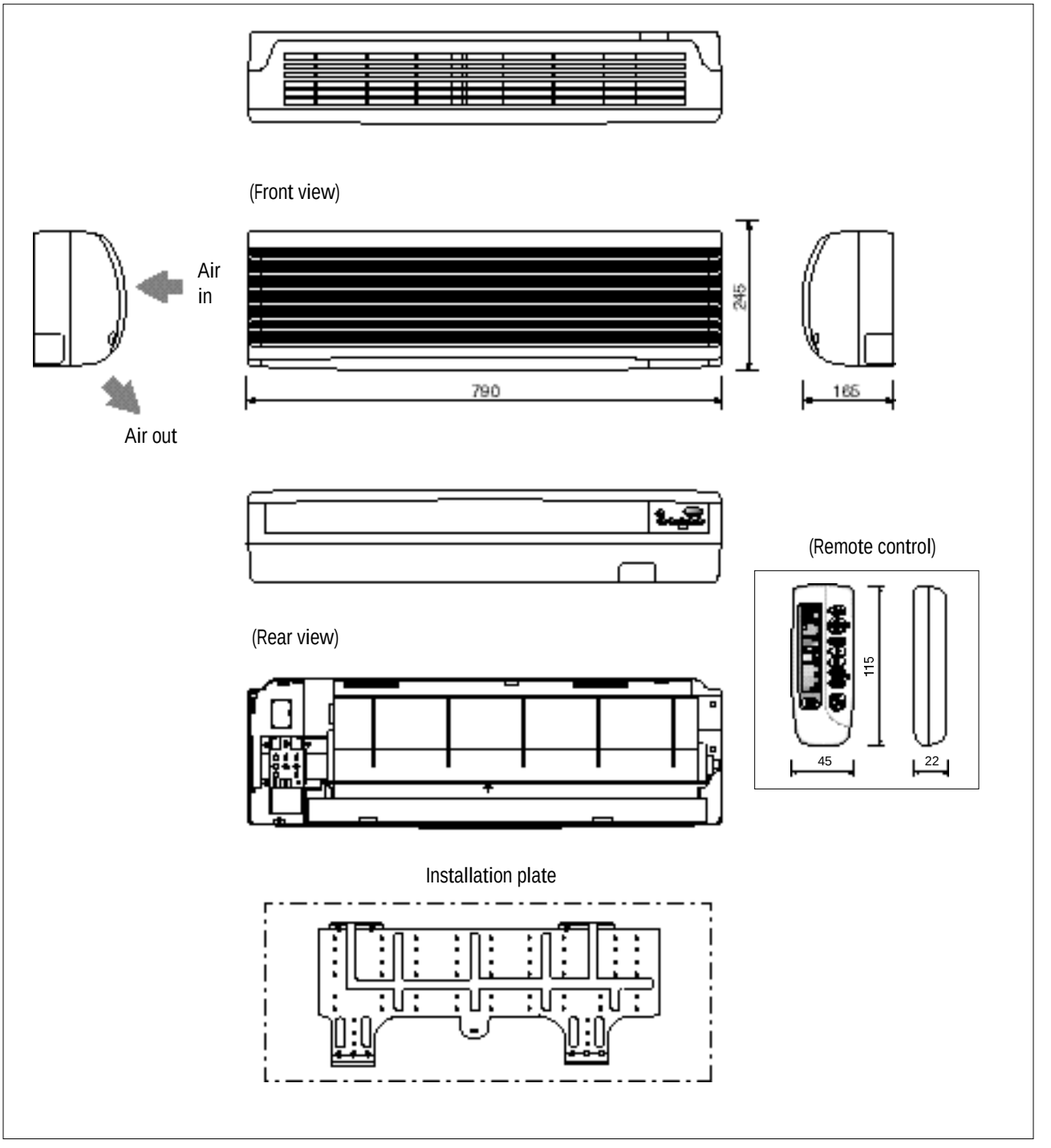
2. Product Specifications

2-1 Table

Item			Model	AQ12A3ME		AQ09A3(4)ME/SH09ZA3(4)/SH09ZA3(4)A		AQ07A3(4)ME/SH07ZA3(4)/SH07ZA3(4)A		AQ12A1(2)ME/SH12ZA1(2)/SH12ZA1(2)A		AQ09A1(2)ME/SH09ZA1(2)/SH09ZA1(2)A		AQ07A1(2)ME/SH07ZA1(2)/SH07ZA1(2)A		AQ12A1(2)MD		AQ09A1(2)MD	
				Indoor unit	Outdoor unit	Indoor unit	Outdoor unit	Indoor unit	Outdoor unit	Indoor unit	Outdoor unit	Indoor unit	Outdoor unit	Indoor unit	Outdoor unit	Indoor unit	Outdoor unit	Indoor unit	Outdoor unit
Type			-			Wall-mounting		Wall-mounting		Wall-mounting		Wall-mounting		Wall-mounting		Wall-mounting		Wall-mounting	
Perfor-mance	Cooling		BTU/h			9000		7500		12000		9000		7500		11944(3500W)		8872(2600W)	
	Heating		BTU/h			10000		8000		13,000		10000		8000		12797(3750W)		9896(2900W)	
	Dehumiditying		ℓ/h			1.6		1.9		1.4		1.1		0.9		1.4		1.1	
	Air volume	Cooling	m^3/min			6.5	20.5	5.3	20.5	7.4	19	6.0	18	5.6	16	7.4	19	6.0	18
		Heating				7.0	20.5	5.7	20.5	8.1	19	6.7	18	5.9	16	8.1	19	6.7	18
	Noise	Cooling	dB			35	48	33	47	38	50	35	48	33	47	41	53	38	51
		Heating				34	47	32	47	38	50	35	48	33	47	41	53	38	51
	Energy efficiency ratio	Cooling	BTU/h.			9.5		10.0		10.3		9.7		9.6		10.21(2.99w/w)		9.24(2.70w/w)	
		Heating				10.8		11.0		10.2		10.9		10.9		9.77(2.86w/w)		10.64(3.11w/w)	
	Power		V-Hz			1-220 / 240-50		1-220 / 240-50		1-220 / 240-50		1-220 / 240-50		1-220 / 240-50		1-200 / 220-50		1-200 / 220-50	
Power	Power Consumption	Cooling	W			950		750		1170		930		780		1170		960	
		Heating				930		730		1270		910		730		1310		930	
	Operating Current	Cooling	A			4.2		3.3		5.0		4.1		3.5		5.7		4.5	
		Heating				3.9		3.2		5.4		4.0		3.3		6.3		4.3	
	Power factor	Cooling	%			99.0		98.8		101.7		101.0		96.8		93.3		96.9	
		Heating				103.7		99.2		102.2		101.4		102.3		94.5		98.3	
	Starting current		A			30		30		30		30		30		30		30	
	Power cord	Length	mm			-		-		-		-		-		2100		2100	
		Number of core wire				-		-		-		-		-		3		3	
	Fuse capacity		A			250V-10 / 16A		250V-10 / 16A		250V-10 / 16A		250V-10 / 16A		250V-10 / 16A		250V-10 / 16A		250V-10 / 16A	
Size	Outer x Dimension	Width x Height x Depth	mm			790 x 245 x 165	660 x 470 x 242	790 x 245 x 165	660 x 470 x 242	790 x 245 x 165	720 x 532 x 245	790 x 245 x 165	720 x 532 x 245	790 x 245 x 165	660 x 497 x 235	790 x 245 x 165	720 x 532 x 245	790 x 245 x 165	720 x 532 x 245
			inch			1.1 x 10.0 x 6	6.0 x 18.5 x 9	31.1 x 9.6 x 6.5	6.0 x 18.5 x 9	31.1 x 9.6 x 6.5	28.3 x 21.0 x 9.6	31.1 x 10.0 x 6	28.3 x 21.0 x 9.6	31.1 x 10.0 x 6	25.9 x 19.6 x 9.3	31.1 x 9.6 x 6.5	28.3 x 21.0 x 9.6	31.1 x 10.0 x 6	28.3 x 21.0 x 9.6
	Weight					7.7	25	7.7	25	8.0	38.0	7.7	32.0	7.7	28.0	8.0	38.0	7.7	32.0
	Refrigerant pipe	Liquid				ø6.35 x 5		ø6.35 x 5		ø6.35 x 5		ø6.35 x 5		ø6.35 x 5		ø6.35 x 5		ø6.35 x 5	
		GAS				ø9.52 x 5		ø9.52 x 5		ø12.7 x 5		ø9.52 x 5		ø9.52 x 5		ø12.7 x 5		ø9.52 x 5	
	Drain hose		D x L(mm)			ø18 x 2000		ø18 x 2000		ø18 x 2000		ø18 x 2000		ø18 x 2000		ø18 x 2000		ø18 x 2000	
	Compressor	Type				Rotary		Rotary		ROTARY		ROTARY		ROTARY		ROTARY		ROTARY	
		Motor Type								-	-	-	-	-	-	-	-	-	-
		Motor Rated output								-	1215	-	985	-	776	-	1215	-	985
	Blower	Type				Cross-flow	Propeller	Cross-flow	Propeller	Cross-flow	Propeller	Cross-flow	Propeller	Cross-flow	Propeller	Cross-flow	Propeller	Cross-flow	Propeller
		Motor Type				Resin	steel	Resin	steel	Resin	steel	Resin	steel	Resin	steel	Resin	steel	Resin	steel
		Motor Rated output	W			15	25	15	25	15	25	15	20	15	20	15	25	15	20
Heat exchanger						2ROW 12STEP	1ROW 20STEP	2ROW 12STEP	1ROW 20STEP	2ROW 12STEP	2ROW 20STEP	2ROW 12STEP	1ROW 20STEP	2ROW 12STEP	1ROW 18STEP	2ROW 12STEP	2ROW 20STEP	2ROW 12STEP	1ROW 20STEP
Refrigerant control unit						CAPILLARY TUBE		CAPILLARY TUBE		CAPILLARY TUBE		CAPILLARY TUBE		CAPILLARY TUBE		CAPILLARY TUBE		CAPILLARY TUBE	
Freezer oil capacity						360		360		410		360		360		410		360	
Refrigerant to charge(R-22)						600		600		967		640		630		970		640	
Protection device						MRA 12110-12008		MRA 12086-12008		MRA 12030-12008		MRA 12054-12008		MRA 12086-12008		MRA 98706-12008		MRA 12067-12007	
Cooling test Condition				INDOOR UNIT : DB27°C WB19°C										OUTDOOR UNIT : DB35°C WB24°C					
Maximum operation Condition				INDOOR UNIT : DB32°C WB23°C										OUTDOOR UNIT : DB43°C WB26°C					

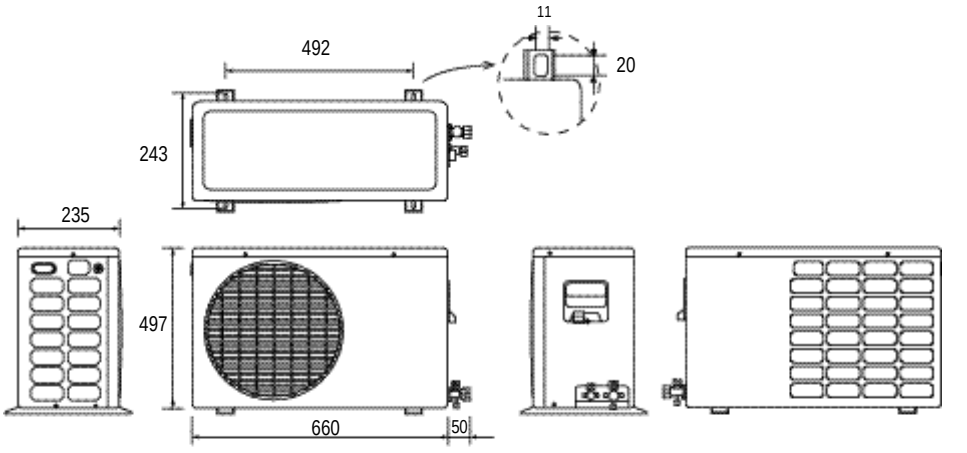
2-2 Dimensions

2-2-1 Indoor Unit

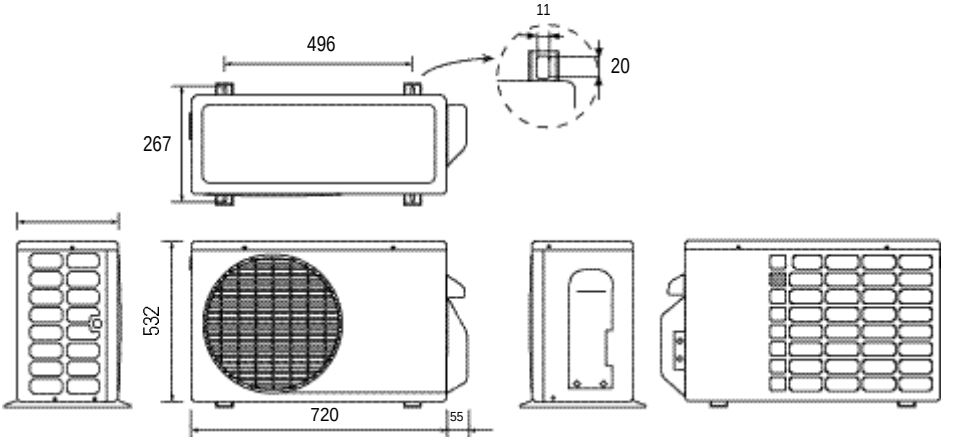


2-2-2 Outdoor Unit

SH07ZA1(2)X
UQ07Z1(2)ME

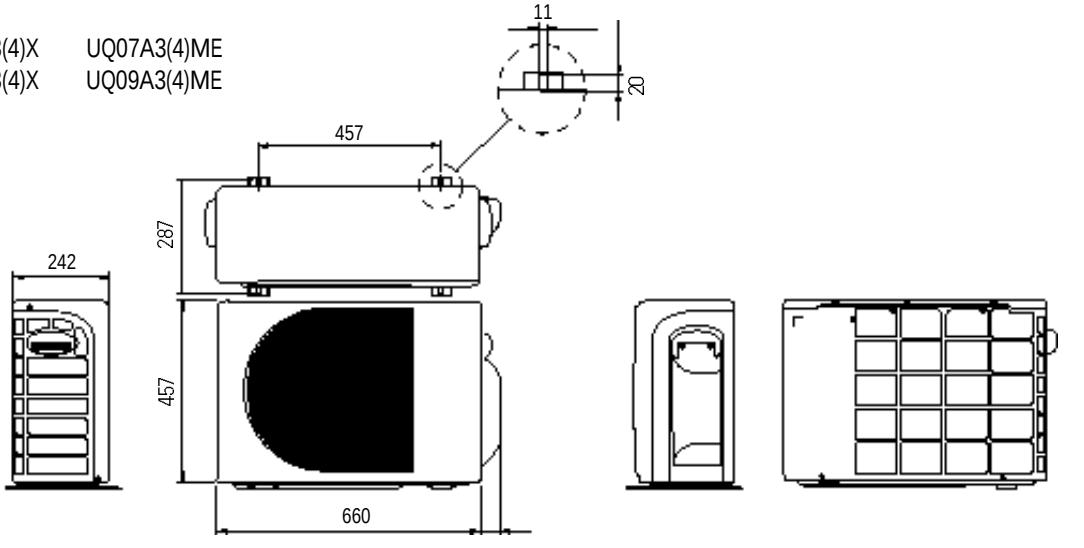


SH09ZA1(2)X
SH12ZA1(2)X/A
UQ09A1(2)ME
UQ12A1(2)ME
UQ09A1(2)MD
UQ12A1(2)MD



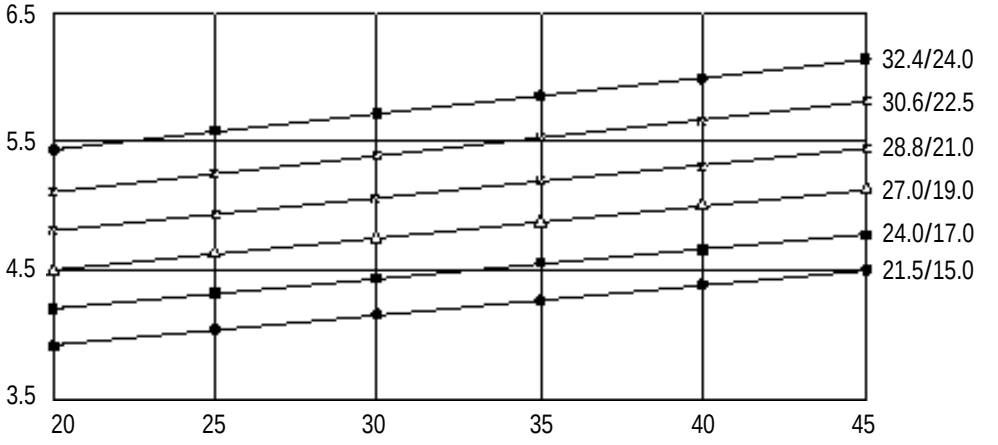
2-2-2 Outdoor Unit

SH07ZA3(4)X UQ07A3(4)ME
SH09ZA3(4)X UQ09A3(4)ME

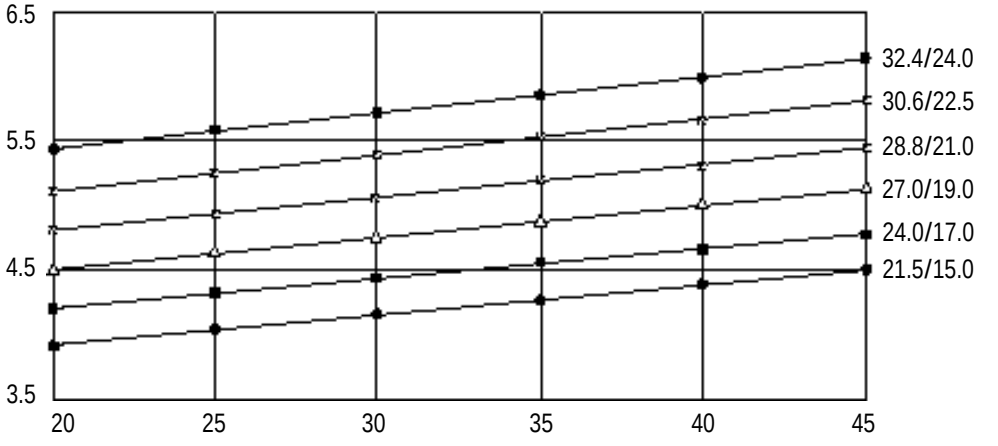


2-3 Pressure Graph

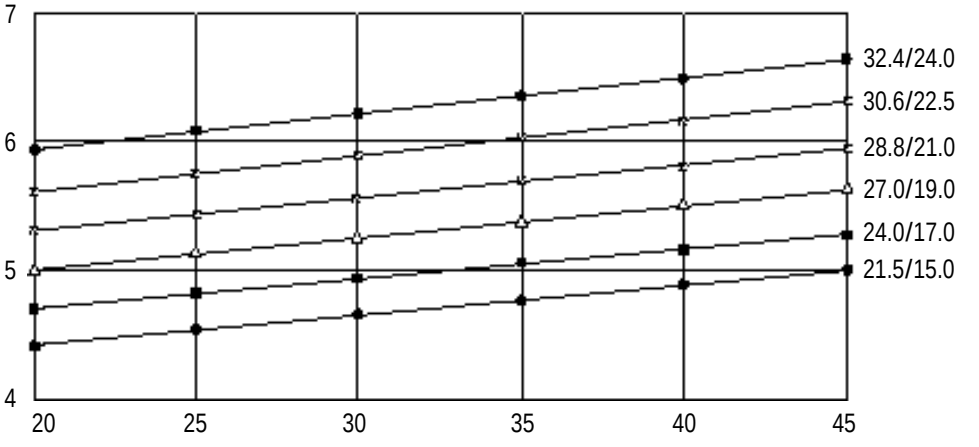
12K BTU



9K BTU



7K BTU



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